

Page 1 of 1

All amounts are calculated in domestic currency.

All Vendors PO ID PO29558 Receipt Dates from 8/28/2015 to 8/28/2015

Заключение

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID/Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO29558	9		M7075T73R1.000 f		8/27/2015	8/28/2015	24.0000	\$6.80	0.0000	0	\$163.30
CAD	No		7075-T73 Rd Bar 1.00	f	24.0000	DCUSER		\$163.30	0.0000	0	
			m133054								
Total Received Quantity: 24.0000											
Total Qty to Inspect (PO U/M): 0.0000											
Total Reject Quantity: 0.0000											
Total Receipt Value: \$163.30											
Total Balance Due Quantity: 0.0000											

PURCHASE ORDER **Purchase Order ID PO29558**

Purchase Order Date 8/21/2015
 PO Print Date 8/21/2015

Page Number 1 of 5

DART AEROSPACE Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 Tel: 613 632 9577 Fax: 613 632 1053

Order From : VC-COP001
 Ship To : DART AEROSPACE LTD
 1270 ABERDEEN
 HAWKESBURY, ON K6A 1K7
 CANADA
 CA
 TORONTO, ON M5W 5V8
 O/A VPK METAL- C/O T27540/PO BOX 4275, POSTAL "A"
 THYSSENKRUPP MATERIALS CA LTD

Contact Name Vendor Phone 905 669 9444 Buyer Chantal Laviole	Customer POID Customer Tax # 10127-2607 Terms Net 30 Currency CAD FOB FCA - (Free Carrier)	Ship To Contact Ship To Phone Ship Via: VENDOR'S TRUCK Ship Acct:
--	--	---

Line	Reference	Description/ Mfg ID	Reg Date/ Taxable	CD	Reg Qty/ Unit of Measure	PO Unit Price	Extended Price
------	-----------	------------------------	----------------------	----	--------------------------------	---------------	-------------------

1	M303R0.500	303 Round Bar 0.500"	8/27/2015	Yes	60.00	\$2.92	\$175.00
PURCHASE MATERIAL: AISI 303 SS ROUND BAR SPECIFICATION: ASTM A582							
(NOTE: AISI 304/316 NOT ACCEPTABLE)							

2	M303R0.750	303 Round Bar 0.750	8/27/2015	Yes	36.00	\$3.55	\$127.80
PURCHASE MATERIAL: AISI 303 SS ROUND BAR SPECIFICATION: ASTM A582							
(NOTE: AISI 304/316 NOT ACCEPTABLE)							

Line Total: \$127.80

Handwritten:
 5/10/2015
 58

Note:

8/21/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER
Purchase Order ID PO29558
Purchase Order Date 8/21/2015
PO Print Date 8/21/2015

Page Number 2 of 5

Order From :

VC-COP001

Ship To : DART AEROSPACE LTD

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL-C/O T27540/PO BOX 4275, POSTAL "A"
TORONTO, ON M5W 5V8
CANADA

Contact Name
Vendor Phone

905 669 9444

Ship To Contact
Ship To Phone

VENDOR'S TRUCK

FOB

FCA - (Free Carrier)

Currency

CAD

Terms

Net 30

Customer Tax #

10127-2607

Customer POID

Chantal Lavoie

Buyer

3 M304R0.375

304 ROUND BAR 0.375

8/27/2015

Yes

12.00

\$2.92

\$35.00

Line Total:

\$35.00

4 M304R1.000

304 round bar 1.00

8/27/2015

Yes

12.00

\$5.07

\$60.84

Line Total:

\$60.84

(NOTE: AISI 303 NOT ACCEPTABLE)

MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276

8/27/2015

Yes

5 M6061T6B0.750X02.000

6061-T6 Bar .750 x 2.00

8/27/2015

Yes

12.00

\$4.58

\$55.00

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR

AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Note:

8/21/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER
Purchase Order ID PO29558
Purchase Order Date 8/21/2015
PO Print Date 8/21/2015
Page Number 3 of 5

Order From : VC-COP001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275, POSTAL "A"
TORONTO, ON M5W 5V8
CA

Contact Name	Vendor Phone	905 669 9444	Buyer	Chantal Lavoie
Ship To Contact	Customer POID	Customer Tax #	Terms	Net 30
Ship To Phone	Customer Tax #	Customer Tax #	Currency	CAD
Ship Via:	Customer Tax #	Customer Tax #	FOB	FCA - (Free Carrier)
Ship Acct:	Customer Tax #	Customer Tax #	FOB	FCA - (Free Carrier)

Line Total: \$55.00

6	M6061T6B0.125X2.500	6061T6 BAR .125 X 2.50	8/27/2015	Yes	40.00	\$0.94	\$37.50
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MATERIAL: 6061-T6/T651/T6510/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$37.50

7	M6061T6B1.250X04.500	6061-T6 Bar 1.25 X 4.50	8/27/2015	Yes	12.00	\$16.46	\$197.50
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MATERIAL: 6061-T6/T651/T6510/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$197.50

Note:

8/21/2015

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO29558

Purchase Order Date 8/21/2015
PO Print Date 8/21/2015

Page Number 4 of 5

Order From :

VC-COP001

der From : THYSSENKRUPP MATERIALS CA LTD
VC-COP001
Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
 Vendor Phone
 Ship To Contact
 Ship To Phone
 Ship Via:
 Ship Acct:

905 669 9444

VENDOR'S TRUCK

Ship Acc:

Ship Via:

Ship To Phone

Ship To Contact

Vendor Phone

Contact Name

M6061T6B1.500X01.250 6061-T6 Bar 1.50 x 1.25 8/27/2015 Yes

M7075T73R1.000	7075-T73 Rd Bar 1.00	8/27/2015	Yes	8/27/2015	MATERIAL: 7075-T73 OR 7075-T73510/T73511 ROUND BAR AS PER AMS-QQ-A-200/11 OR AMS-QQ-A-225/9
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Note:

8/21/2015

Line Total:

\$213.60

Line Total:

\$65.00



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER
Purchase Order ID PO29558
Purchase Order Date 8/21/2015
PO Print Date 8/21/2015

Page Number 5 of 5

Order From :

VC-COP001

Ship To : DART AEROSPACE LTD

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CANADA

Contact Name
Vendor Phone 905 669 9444
Ship To Contact
Ship To Phone
Ship Via:
Ship Acct:

VENDOR'S TRUCK

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

10 71401-45 PROCUREMENT 8/27/2015 1.00 \$0.00 \$0.00

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality document

Line Total:

\$0.00

PO Total:

\$967.24

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 8/21/2015

NO: PEC ST-837133

Q U O T A T I O N

AUG 20 2015

Quoted Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Quoted To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Quoted By:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

FOB

Qtd 19Aug15 Qte Ref

Via

Ctc CHANTAL

Slp STAN IVERS (905-532-1350)

Q U O T A T I O N
QT No: PEC ST-837133
Test Certs: Chem-Y Phys-Y 1 Original copies with Shipment, 1 with Invoice

1	STAINLESS STEEL ROUND BAR 303 STAINLESS	1 PCS	35.0000 EA	25.0000 LOT	35.00	25.00
2	STAINLESS STEEL ROUND BAR 303 STAINLESS	3 PCS	3.5500 FT		54 LBS	36 FT
3	STAINLESS STEEL ROUND BAR 304L	1 PCS	.375" DIA X 144.0000"		5 LBS	
4	STAINLESS STEEL ROUND BAR 304L	1 PCS	1.00" DIA X 144.0000"		32 LBS	12 FT
5	ALUMINUM FLAT BAR 6061-T6511	1 PCS	.750" X 2.00" X 144.0000"		22 LBS	12 FT
6	ALUMINUM FLAT BAR 6061-T6511	2 PCS	.125" X 2.50" X 240.0000"		15 LBS	40 FT
7	ALUMINUM FLAT BAR 6061-T6511	1 PCS	1.250" X 4.50" X 144.0000"		79 LBS	12 FT
8	ALUMINUM FLAT BAR 6061-T6511	1 PCS	1.250" X 1.50" X 144.0000"		26 LBS	12 FT

NOITVTONO

THYSSENKRUPP MATERIALS NA

Quoted To: (20115)

DART AEROSPACE

NOITVTON

9. ALUMINUM SQUARE BAR 6061-T6511

SPECIFICATIONS

WtHToI + 0.0000 - 0.0000 Wt/Skd

MATERIAL

2 PCS

10 ALUMINUM ROUND BAR 7075T7351

1.00" DIA X 144.0000"

24 FT ⑤

LF 0006.8

213.60

WILL TEST REPORTS, PACKING SLIPS ARE TO SENT WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR TO SHIPMENT.

ATTN: CHANTAL/LINDA

*** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER ***

** REFERENCED ON IT **

Price in effect at time of shipment.

Price based on receipt of total order.

All weights are theoretical.

All orders are subject to credit approval.

***** TEL. 800-926-008 *****

*** CUSTOMER PICK-UP HOURS *

*** 9:00 AM TO 4:00 PM ***

* WE STOCK STAINLESS STEEL!!!! *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE

ADDED TO EVERY ORDER. ***

* * * * *

*FOR OUR FULL SALES TERMS AND CONDITIONS, PLEASE

*VISIT OUR WEBSITE: www.copperandbrass.com

Order Totals: 10 Items 296 LBS

Material	Processing	Freight	Other	Taxes	ORDER AMT
----------	------------	---------	-------	-------	-----------

925.20	25.00	123.54	1,073.74
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Taxes: ONHSTS	123.54	0.00	0.00	0.00
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Page: 2 ... Last

21Aug15 14:49 S A L E S A C K N O W L E D G M E N T No: PEC ST-838303

Sold By:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Trm NET 30 DAYS/NET 30 JOURS
Frt PREPAID
Con 96294
Slp STAN IVERS (905-532-1350)
Ord 21Aug15 Due24Aug15
Via VIM TRANSFER
PO/Rel 29558
Tel 613-632-9577 Fax 613-632-1053

S A L E S A C K N O W L E D G M E N T SO NO PEC ST-838303
Test Certs: Chem Y Phys Y 1 Original copies with Shipment, 1 with Invoice

1 STAINLESS STEEL ROUND BAR 303 STAINLESS 5 PCS / 40 LBS
.50" DIA X 144.0000" 60 FT @ 1.7400 FT 25.0000 LOT 25.00
MATERIAL ENERGY & CAP SURCHG

2 STAINLESS STEEL ROUND BAR 303 STAINLESS 3 PCS 54 LBS
.750" DIA X 144.0000" 36 FT @ 3.5500 FT 127.80
MATERIAL

3 STAINLESS STEEL ROUND BAR 304L 1 PCS 5 LBS
.375" DIA X 144.0000" 1 PCS @ 35.0000 EA / 35.00
MATERIAL

4 STAINLESS STEEL ROUND BAR 304L 1 PCS 32 LBS
1.00" DIA X 144.0000" 12 FT @ 6.3000 FT 75.60
MATERIAL

5 ALUMINUM FLAT BAR 6061-T6511 1 PCS 22 LBS
.750" X 2.00" X 144.0000" 12 FT @ 4.5833 FT 55.00
MATERIAL

6 ALUMINUM FLAT BAR 6061-T6511 2 PCS 15 LBS
.125" X 2.50" X 240.0000" 40 FT @ .9375 FT / 37.50
MATERIAL

7 ALUMINUM FLAT BAR 6061-T6511 1 PCS 79 LBS
1.250" X 4.50" X 144.0000" 12 FT @ 16.4583 FT 197.50
MATERIAL

8 ALUMINUM FLAT BAR 6061-T6511 1 PCS 26 LBS
1.250" X 1.50" X 144.0000" 12 FT @ 5.4167 FT 65.00
MATERIAL

9 ALUMINUM SQUARE BAR 6061-T6511 1 PCS 32 LBS
1.50" X 144.0000" 12 FT @ 12 FT 32 LBS
SPECIFICATIONS 1 Ga Tol + 0.0000 - 0.0000 Pc/Tag <<<>>>

21Aug15 14:49 S A L E S A C K N O W L E D G M E N T No: PEC ST-838303

Sold By: THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Sold To: (20115) Ship To: (1)
DART AEROSPACE DART AEROSPACE

=====

S A L E S A C K N O W L E D G M E N T SO NO PEC ST-838303

Test Certs: Chem Y Phys Y 1 Original copies with Shipment, 1 with Invoice

WtHtl + 0.0000 - 0.0000 Wt/Skd
LthTol + 0.1250 - 0.0000 Ty
MATERIAL 12 FT @ 6.9333 FT 83.20

MILIT TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA
** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **
** CUSTOMER PICK-UP HRS / 9:00 AM TO 4:00 PM **
** TEL. 800-926-2600 **

WE STOCK STAINLESS STEEL!!!
* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

**FOR OUR FULL SALES TERMS AND CONDITIONS, PLEASE
VISIT OUR WEBSITE: www.copperandbrass.com

Order Totals: 9 Items 305 LBS
Material Processing Freight Other Taxes ORDER AMT
781.00 25.00 104.79 910.79
Taxes: ONHSTS 104.79

DATE _____

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY.
RETOUR DE MARCHANDISES AVEC NOTRE NUMÉRO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Page: 1 ...continued

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
 CONCORD, ONT. * ** 9:00 AM TO 4:00 PM ***
 **** TEL. 800-926-2600 ***

 * WE STOCK STAINLESS STEEL
 * PLEASE LET US QUOTE YOUR NEXT REQUIREMENT

 ***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE

TOTAL 1 TUBE GW. 30 LBS

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.
ATTN: CHANTAL/LINDA
** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

ADD ON TO 838303 SUR-CHARGE ADDED

B I L L O F L A D I N G		1) Our order PEC-838541- 1 Your PO # 29558		ALUMINUM ROUND BAR 7075T7351		1.00" DIA X 144.0000"		Heat Number		Tag No		Quantity		PCS		WT LBS	
								MA20143285		636984		24 FT		2		23	
TOTAL:												Tags		PCS		LBS	
												1		2		23	

MTR

B I L L O F L A D I N G

No: PEC 951241

Ship Date 27Aug15 at 12:45 From FFW

probill

Via VIM DELIVERY

FOB CONCORD

Frt PREPAID

Route 0 - 0 Manifest

Vehicle Trailer

Slp STAN IVERS (905-532-1350)

Sold To: (20115)

DART AEROSPACE

1270 ABERDEEN ST

HAWKESBURY, ON K6A 1K7

Ship From:

THYSSENKRUPP MATERIALS NA

2821 LANGSTAFF ROAD

CONCORD, ONTARIO L4K 5C6

Tel: 905 669 9444 Fax: 905-738-9033

Ship To: (1)

DART AEROSPACE

1270 ABERDEEN ST

HAWKESBURY, ON K6A 1K7

Tel: 613-632-9577 Fax: 613-632-1053

No: PEC 951241
 Ship Date 27Aug15 at 12:45 From PFW
 Probill
 Via VIM DELIVERY
 FOB CONCORD
 FRT PREPAID
 Route 0 - 0 Manifest
 Trailer
 SLP STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 905-738-9033
 Ship To: (1)
 DART AEROSPACE

B I L L O F L A D I N G

ADDED TO EVERY ORDER.***
 THYSSENKRUPP MATERIALS NA WILL CONDUCT THEIR
 INVENTORY, SEPT. 24 & 25/2015. THERE WILL BE NO
 CUSTOMER PICKUPS THOSE DAYS. HOWEVER, THE SALES
 OFFICE WILL REMAIN OPEN.

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.
 ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
 RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

DATE

Certified Inspection Report

Alcoa Inc.
Massena Operations
Park Avenue East, Massena, NY 13662

10/30/14
00:25:47



ALCOA

Govt. Contract No.

Alcoa Order No.

Customer Part No.

Customer P.O. No.

Customer

Ship To
Copper Brass Sales
800 Arlington Blvd. Suite
Swedesboro, NJ 08085

5400237090

Copper Brass Sales

ALCOA

MMC-B3377- -120

(ALRD00054)

1,030 lbs

10/29/14

We hereby certify that the material covered in this report has been inspected in accordance with, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, or as previously agreed to with customer and that samples representative of the material met the composition limits and have the mechanical properties shown on the face of this sheet. Manufactured under a quality management system registered to ISO/TS 16949 and AS9100. Melted and manufactured in the USA.

Steven F. Marsh, Quality Manager

Product CFB-CF ROD Specific Length

Weight Shipped

Date Shipped

BOL 000162427

Config 12 FT

Size 1.0000 IN

Alloy - Temper 7075-T7351

Specifications:

AMS 4124E
ASTM-B211-12E1
AMS-QQ-A-225/9
QQ-A-225/9E
Material conforms to T73 reqts

Product produced and marked to the requirements of AMS-QQ-A-225/9 also meets the requirements of QQ-A-225/9
Product produced and marked to the requirements of QQ-A-225/9 also meets the requirements of AMS-QQ-A-225/9

DAS 14 15/08/31 9-89

TEST REQUIREMENTS

Lot / Work Order	No. of Tests	Test		Test		Test		Test		Test		Test		Test	
		U.T.S.	Max: Min:	T.Y.S.	%Elong	Cond	38.0	10.0	38.0	10.0	38.0	10.0	38.0	10.0	38.0
MA20142249	6	75.6	Max: 74.7 Min: 74.7	65.6	16.0	38.5		16.0	38.5	16.0	38.5		16.0	38.5	16.0
MA20143285	6	74.4	Max: 71.9 Min: 71.9	64.0	18.0	39.2		18.0	39.2	18.0	39.2		18.0	39.2	18.0

When 2 or more tests per lot are made, the highest and lowest values are reported
Analysis obtained from one or more samples in this lot

TEST ABBREVIATIONS

U.T.S. Ultimate Tensile Strength KSI
Cond Conductivity % IACS
Aluminum Association Chemical Composition Limits (in Weight %)

ALLOY 7075	MAX MIN	%SI	%FE	%CU	%MN	%MG	%CR	%ZN	%TI	%Others	%AL
		0.40	0.50	2.0	0.30	2.9	0.28	6.1	0.20	0.05	Rem
				1.2		2.1	0.18	5.1		Each	Total

Actual Started Chemistry

LOTWORK ORDER		%SI	%FE	%CU	%MN	%MG	%CR	%ZN	%TI	%OE	%OT	%AL
MAX	MIN	0.06	0.14	1.6	0.02	2.5	0.20	5.7	0.02	LT 0.05	LT 0.75	Rem
		0.06	0.14	1.6	0.01	2.4	0.20	5.7	0.02			
MAX	MIN	0.06	0.14	1.6	0.01	2.4	0.21	5.7	0.02	LT 0.05	LT 0.75	Rem
		0.05	0.13	1.5	0.01	2.4	0.19	5.6	0.02			

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2404056672

CstOr 269415

Wgt.: 22.920 LB

Date 08/24/2015

John P. Zambetti

Certified Inspection Report

10/30/14
00:25:47

Alcoa Inc.
Massena Operations
Park Avenue East, Massena, NY 13662
ALCOA

Customer Copper Brass Sales	Customer P.O. No. 5400237090	Customer Part No. (ALRD00054)	Alcoa Order No. MMC-B3377- -120	Govt. Contract No.
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NOTES:

Material compliant with DFARS 252.225-7001 (Buy American Act)
Mercury is not a normal contaminant in aluminum alloys and neither it nor any of its compounds are used in the manufacture of our product.
This alloy meets the requirements of EU 2011/65/EC (RoHS) and EU 2000/53/EC for lead, mercury, cadmium and hexavalent chromium.

From: ThyssenKrupp Materials NA	
Cust. THYSSENKRUPP MATERIALS NA - ECAD	Del.: 2404056672
CstAr	CstOr 269415
Wgt.: 22.920 LB	Date 08/24/2015

John R. Zambetti

COPPER AND BRASS SALES

MATERIAL TYPE

ALUMINIUM ALLOYS

PRODUCT DESIGNATION

2014 2024 2224 2324 7050 7075 7150 7175 7475 ALUMEC 89 ALUMEC 99 QC-7

"WARNING"

SMALL CHIPS, FINE TURNINGS AND DUST MAY IGNITE READILY. EXPLOSION POTENTIAL MAY BE PRESENT WHEN DUST OR FINES ARE DISPERSED IN THE AIR; FINE, DUST OR MOLTEN ALUMINUM ARE IN CONTACT WITH CERTAIN METAL OXIDES; OR, CHIPS, FINES, DUST OR MOLTEN ALUMINUM ARE IN CONTACT WITH WATER OR MOISTURE. KEEP AWAY FROM IGNITION SOURCE. USE EXPLOSION-PROOF VENTILATION. KEEP MATERIAL DRY.

THIS PRODUCT CONTAINS BERYLLIUM AND COPPER. INHALING BERYLLIUM DUST OR FUMES MAY CAUSE CHRONIC BERYLLIUM DISEASE (CBD), A SERIOUS CHRONIC LUNG DISEASE IN SOME INDIVIDUALS. BERYLLIUM IS A CANCER HAZARD; OVER TIME CBD AND CANCER CAN BE FATAL. TARGET ORGAN IS PRIMARILY THE LUNG. INHALING LARGE AMOUNTS OF COPPER, MAGNESIUM OXIDE, MANGANESE OXIDE, AND ZINC OXIDE FUMES OR DUST MAY CAUSE METAL FUME FEVER WITH FLU-LIKE SYMPTOMS. CHRONIC OVEREXPOSURE TO COPPER MAY CAUSE THICKENING OF THE SKIN, AND SKIN, TEETH, AND HAIR DISCOLORATION. CHRONIC OVEREXPOSURE TO MANGANESE DUST CAN CAUSE CENTRAL NERVOUS SYSTEM DAMAGE, SCARING OF THE LUNGS AND REPRODUCTIVE HARM IN MALES. TARGET ORGAN IS PRIMARILY THE LUNG, BUT REPEATED HIGH EXPOSURE CAN ALSO AFFECT THE LIVER. CHRONIC OVEREXPOSURE TO IRON OXIDE DUST/FUME MAY CAUSE LUNG SIDEROSIS. CHRONIC OVEREXPOSURE TO SILICON DUST CAN CAUSE CHRONIC BRONCHITIS. OVEREXPOSURE TO AMORPHOUS SILICA CAN CAUSE DRYING OF THE MUCOUS MEMBRANES OF THE EYES, NOSE, AND THROAT.

THIS PRODUCT ALSO CONTAINS NICKEL AND CHROMIUM COMPOUNDS. INHALATION OF NICKEL DUST OR FUME MAY RESULT IN INFLAMMATION OF THE RESPIRATORY TRACT AND CAUSE NASAL AND/OR LUNG CANCER. NICKEL HAS BEEN IDENTIFIED AS A POTENTIAL HUMAN CARCINOGEN. EXPOSURE TO CHROMIUM DUST OR FUMES MAY CAUSE METAL FUME FEVER WITH FLU-LIKE SYMPTOMS AND KIDNEY AND LIVER DAMAGE. UNDER HIGH TEMPERATURES, HEXAVALENT CHROMIUM MAY BE PRODUCED. IF IN THE INSOLUBLE FORM, IT IS A CONFIRMED HUMAN CARCINOGEN. (CALIFORNIA PROPOSITION 65).

IF COATED WITH OIL, MAY CAUSE SKIN IRRITATION/DERMATITIS BY CONTACT. WELDING FUME IS LISTED AS A POSSIBLE CARCINOGENIC TO HUMANS. READ THE ALUMINIUM/ALUMINUM ALLOYS MATERIAL SAFETY DATA SHEET (MSDS) ON FILE WITH YOUR EMPLOYER BEFORE WORKING WITH THIS MATERIAL.

* If processing or recycling produces particulate, use exhaust ventilation or other controls designed to prevent exposure to workers. Examples of such activities include melting, welding, grinding, abrasive sawing, sanding and polishing. Any activity which abrades the surface of this material can generate airborne particulate. Use appropriate NIOSH approved respiratory protection (P95; P100 for lead with, quantitative fit testing required) if exposures exceed the permissible limits.

* The Occupational Safety and Health Administration (OSHA) have set mandatory limits on occupational exposures. * Aluminum, in solid form and as contained in finished products presents no special health risk.

* Sold for manufacturing purposes only. This product can be recycled; contact your sales representative.

For additional information, call or write to Copper and Brass Sales, 22355 West Eleven Mile Road, Southfield, MI 48033, telephone 248-233-5600, or visit our web site @ www.copperandbrass.com.

MATERIAL RECEIPT INSPECTION FORM

PO / BATCH NO: 29558/H133054

THICKNESS ORDERED: 8.100
 THICKNESS RECEIVED: 8.100
 SHEET SIZE ORDERED:
 SHEET SIZE RECEIVED:

MATERIAL: 17075T73
 DATE: 15/08/31

MATERIAL CERT REC'D: 400
 QUANTITY RECEIVED: 24
 QUANTITY INSPECTED: 24
 QUANTITY REJECTED:

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y	
CORRECT FINISH	Y	
CORROSION	Y	
CORRECT GRAIN DIRECTION	Y	
CORRECT MATERIAL	Y	
CORRECT THICKNESS	Y	
PHOTO REQUIRED	Y	
CORRECT MATERIAL	Y	
CORRECT REF # TO LINK CERT	Y	
CORRECT MATERIAL IDENTIFICATION	Y	
CORRECT M# ON THE MATERIAL	Y	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

Testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: 14 9-89	SIGNED OFF BY:	DATE: 15/08/31	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in